

Claims

1. through 46. (Cancelled)

47. (new) A kit for use in a method of detecting targeted biomolecules in a biological sample, which method comprises providing a plurality of membranes in a stacked configuration, and applying the biological sample to the stacked membranes under conditions that transfer the targeted biomolecules to the plurality of membranes whereby one or more of the targeted biomolecules are captured on one or more of the membranes, wherein the kit comprises:

a stack of membranes separable from one another after the capturing step is completed, each membrane comprises a biomolecule-permeable, polymeric substrate having a thickness of less than about 30 microns and a pore size of between about 0.1 to 5.0 microns, which permits transfer of the targeted biomolecules therethrough; one or more of said substrates being treated with a captor molecule capable of capturing a targeted molecule; and

containers comprising detectors which are applied to said membranes after the targeted biomolecules are captured.

48. (new) The kit of claim 47, wherein said detector comprise antibodies.

49. (new) the kit of claim 47, wherein said detector comprise probes.

50. (new) The kit of claim 47, wherein said detector comprise a cocktail of antibodies.

51. (new) The kit of claim 47, wherein said substrate comprises polycarbonate.

52. (new) The kit of claim 47, wherein said stack comprises 5-10 membranes.